

## Product datasheet for **RG228427**

### **ROD1 (PTBP3) (NM\_001163788) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ROD1 (PTBP3) (NM_001163788) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PTBP3
Synonyms:	ROD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RG228427 representing NM\_001163788  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAATAGTTCTACTCCTTCTACAGGTGTGTATGCTAATGGGAATGACAGCAAGAAATTTAAACGAGATA  
 GACCTCCCTGTTGCGCTTCCCGTGTTCATCTTCGAAAAATCCATGTGATGTACCGAAGCAGAGAT  
 CATATCATTAGGTCTACCATTTGGCAAAGTAATACTTTTGTGTTGAAAGGAAAAAGCCAGGCTTTC  
 TTAGAAATGGCTTCTGAGGAAGCTGCCGTTACTATGGTGAATTATTACACTCCTATTACTCCTCACCTTC  
 GAAGCCAGCTGTTTATATTCAAGTATTCAATCACAGAGAAGCTTAAAGACTGACAACTACCTAATCAAGC  
 TCGAGCCCAAGCTGCACTGCAGGCTGTCAAGTCCCAATCAGGAAGCCTGGCCCTTCTGAGGCTCT  
 TCCAATGAAGGCACAGTCTACCTGGGCAGAGCCCTGTGCTTCAATAATTATTGAAAACCTCTTTTACC  
 CTGTTACCCTGGAAGTCTTTCATCAGATATTTTCTAAATTTGGCACAGTCTTGAAGATTACACCTTTAC  
 AAAGAATAATCAGTTTCAAGCCTTGCTTCAGTATGCTGACCCAGTAAATGCACATTATGCCAAAATGGCT  
 CTGGATGGCCAGAATATCTATAATGCATGCTGCACTCTGCGCATTGACTTCTCCAAGCTACCCAGCCTTA  
 ATGTGAAATATAATAATGACAAAAGCAGAGACTTCACTCGCTTAGACCTTCTACTGGTGTGAGCCAGCC  
 ATCCCTTGAACCCCTATGGCTGCTGCTTTTGGTGCACCGGTATAATTTCTTACCATATGCAGGGGCT  
 GCTGGATTTGCCCCAGCCATTGGATTTCTCAAGCTACAGGCTATCAGTTCAGCTGTTCTGGAGCTC  
 TTGGTCTCTCACAATCACCTCTTCTGCTGCTACTGGAAGGATGGCCATTCTGGGGCTAGTGGTATACC  
 AGGAAATCTGTTCTACTCGTCACAAATCTCAATCCTGATCTTATCACACCACATGGGCTTTTTATCCTA  
 TTTGGAGTCTATGGTGTACATCGAGTGAAGATTATGTTTAAAGAAAGAAAATGCCTTGGTTCAGA  
 TGGCGGATGCAAAATCAAGCTCAGCTAGCAATGAACCATTAAGTGGTCAAGACTTTATGGGAAAGTGCT  
 TCGTGCTACACTGTCAAACATCAAGCAGTACAGCTTCTCGAGAGGGACAAGAAGACCAAGGCTGACT  
 AAGGATTTAGCAATAGTCTTTGCATCGCTTTAAAAAGCCGGGCTCTAAAAACTTCCAGAATATCTTTC  
 CACCATCAGCCACTCTGCATCTTCCAACATCCCCCTTCTGTTACAGTGGATGATCTGAAGAACCTTTT  
 CATAGAAGCTGGATGTTCAAGTGAAGGCTTTTAAATTTCTTTCAGAAAGATCGCAAATGGCGCTCATTCAA  
 TTGGGATCTGTGGAAGAAGCAATTCAGGCCCTCATTGAGCTTCATAACCATGACCTTGGAGAAAATCACC  
 ACCTCAGAGTTTCTTCTCAAATCTACAATC

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG228427 representing NM\_001163788  
 Red=Cloning site Green=Tags(s)

MNSSTPSTGVYANGNDSKKFKRDRPPCSPSRVLHLRKIPCDVTEAEIISLGLPFGKVTNLLMLKGKSQAF  
 LEMASEEAAVTMVNYYPITPHLRSQPVYIQYSNHRELKTDNLNPNQARAQALQAVSAVQSGSLALSGGP  
 SNEGTVLPGQSPVLRRIIENLFYPVTLEVLHQIFSKFGTVLKIITFTKNNQFQALLQYADPVNAHYAKMA  
 LDGQNIYNACCTLRIDFSKLTSLNVKYNNDKSRDFRLDLPTGDGQPSLEPPMAAAFAPGIISSPYAGA  
 AGFAPAIIGFPQATGLSVPVAVPGALGPLTITSSAVTGRMAIPGASGIPGNSVLLVTNLNPDILITPHGLFIL  
 FGVYGDVHRVKIMFNKKNALVQMADANQAQLAMNHL SGQRLYGVKVL RATLSKHQAVQLPREGQEDQGLT  
 KDFSNSPLHRFKKPGSKNFQNIFFPSATLHL SNIPPSVTVDDLKNLFI EAGCSVKAFKFFQKDRKMALIQ  
 LGSVEEAIQALIELHNHDLGENHHLRVFSKSTI

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

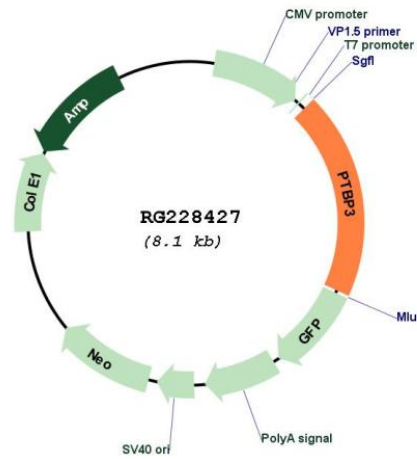
Sgfl-Mlul

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



<b>ACCN:</b>	NM_001163788
<b>ORF Size:</b>	1572 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001163788.4</a>
<b>RefSeq Size:</b>	7237 bp
<b>RefSeq ORF:</b>	1575 bp
<b>Locus ID:</b>	9991
<b>UniProt ID:</b>	<a href="#">O95758</a>
<b>Cytogenetics:</b>	9q32
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	The protein encoded by this gene binds RNA and is a regulator of cell differentiation. The encoded protein preferentially binds to poly(G) and poly(U) sequences in vitro. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]